



an Open Access Journal by MDPI

## Advances in Screen-Printed Electrode & Electrochemical Sensor Applications

Guest Editors:

**Dr. João G. Pacheco**

REQUIMTE/LAQV, Instituto Superior de Engenharia do Porto, Instituto Politécnico do Porto, Rua Dr. António Bernardino de Almeida 431, 4249-015 Porto, Portugal

**Dr. Hendrikus Petrus Antonius Nouns**

REQUIMTE/LAQV, Instituto Superior de Engenharia do Porto, Instituto Politécnico do Porto, Rua Dr. António Bernardino de Almeida 431, 4249-015 Porto, Portugal

Deadline for manuscript submissions:  
**closed (29 February 2024)**

### Message from the Guest Editors

In the last decade a vast investment and research in sensing technology has been made. Due to their excellent sensitivity, rapid response, simplicity, low cost and portability, electrochemical sensors are involved in a wide variety applications in analytical chemistry. They are easy to miniaturize and to integrate into automatic systems. The screen-printing technology presents several advantages for the fabrication of electrochemical sensors. It allows the fabrication of a wide range of geometries, mass production at low cost, disposability, and portability. The combination of screen-printing technology with electrochemical sensors is promising for commercial purposes. The topics covered in this Special Issue represent recent innovations in the construction of electrochemical sensors on screen printed electrodes and application to different fields. Different recognition elements can be used: biological and chemical. Both review and original research articles are welcomed, highlighting the latest developments and future challenges in this exciting field.

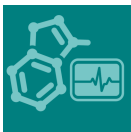
Keywords:

electrochemical sensors  
screen-printing technology  
food quality control  
clinical analysis  
environmental monitoring



[mdpi.com/si/146206](https://mdpi.com/si/146206)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences,  
UMR CNRS 5280, Department  
LSA, 5 Rue de La Doua, 69100  
Villeurbanne, France

## Message from the Editor-in-Chief

*Chemosensors* is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (Instruments and Instrumentation) / CiteScore - Q2 (*Analytical Chemistry*)

## Contact Us

---

*Chemosensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/chemosensors](http://mdpi.com/journal/chemosensors)  
[chemosensors@mdpi.com](mailto:chemosensors@mdpi.com)  
[X@chemosens\\_MDPI](https://twitter.com/chemosens_MDPI)